METHOD AND SYSTEM TO INVESTIGATE A COMPLEX CHEMICAL SPACE

ABSTRACT OF THE DISCLOSURE

[0049] An experimental space of a catalyzed chemical reaction is defined to represent at least three factor interactions, a CHTS method is effected on the catalyzed chemical experimental space to produce results and results are analyzed by matrix algebra to select a best case set of factor levels from the catalyzed experimental space. A system for investigating a catalyzed experimental space comprises a reactor for effecting a CHTS method on the catalyzed chemical experimental space to produce results and a programmed controller to analyze the results by matrix algebra to select a best case set of factor levels from the catalyzed experimental space.